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## [NMLC Supports MTF Cardiovascular Image Management Systems](#)

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**By Julius L. Evans, NMLC Public Affairs**

Naval Medical Logistics Command personnel traveled to Naval Medical Center San Diego to facilitate vendor product demonstrations for a cardiology Picture Archive and Communication System (PACS) project Jan. 4-8, 2016.



Members of the Naval Medical Logistic Command Picture and Archive Communication System (PACS) Team demonstrate a PACS workstation. Pictured from left to right Imaging Informatics Division Chief Ed Doorn, Project Manager and Team Lead Michael J. Fortier, Network Engineer Thomas E. Strother, Project Manager Lorriane N. Joseph, Information Technology Specialist and Device Information Assurance Manager Walter J. Sandman and a symposium participant. (U.S. Navy photo by Julius L. Evans, Naval Medical Logistics Command Public Affairs).

Picture Archive and Communication is an open system network of digital medical devices designed to enhance the effective acquisition, transmission, display and management of diagnostic imaging studies. Cardiovascular systems program management is encompassed within this digital network.

The NMLC Picture Archive and Communication System team is part of the Medical Equipment and Logistics Solutions Directorate located at Fort Detrick, Maryland. It provides central programmatic support for Navy Medicine clinical image management systems and is a resource for the Navy PACS and Digital Imaging community.

The Imaging Informatics Division manages several major cardiology projects for Navy Medicine. The first project is for the National Capital Region (NCR), which includes the Cardiology Clinics at Walter Reed National Military Medical Center, Fort Belvoir Community Hospital, Malcolm Grow Medical Clinics and Surgery Center located on Joint Base Andrews and the DiLorenzo Tricare Health Clinic, Pentagon.

Previous projects include the Cardiovascular Image Management Solutions based in the Military Treatment Facility clinical capabilities at Naval Hospital Pensacola; the Electrocardiogram (EKG or ECG), Naval Medical Center Portsmouth with EKG and Echocardiography and Naval Hospital Camp Pendleton with EKG and Echocardiography.

“For the first time, each of these clinics will be consolidated into a single enterprise image management and information system that includes cardiology image management, such as echocardiography ultrasounds, cardiac catheterization images, vascular ultrasounds and waveform data from electrocardiogram studies,” said Ed Doorn, NMLC’s Chief, Imaging Informatics Division and NavyPicture Archive and Communication System Program Manager, Medical Equipment and Logistics Solutions Directorate. “This system will be capable of capturing hemodynamic monitoring data and electrophysiology studies. It will also greatly enhance the clinical workflow throughout the entire NCR which benefits both staff and patients.”



A three-dimensional reconstruction of the heart depicted on a Picture Archive and Communication System (PACS) workstation. PACS software allows for multi-planar reformatting slices to create the image. NMLC PACS Team photo.

As a part of the procurement process, command representatives traveled to San Diego to coordinate and oversee activities related to the demonstration to minimize potential Procurement Integrity Act violations.

“At these events, we have an opportunity to witness, first-hand, clinical applications of the equipment capabilities and facilitate vendor product demonstrations,” Doorn said. “We also oversee the planning, deployment, integration, sustainment and life-cycle management for the Imaging Informatics programs for Navy Medicine. This primarily utilizes a ‘forward leaning’ approach by managing the Navy PACS program for all BSO-18 Medical Treatment Facilities.” BSO-18 is an office designation in Headquarters, Navy Bureau of Medicine and Surgery.

At this demonstration, the PACS team was looking specific for Comprehensive Cardiovascular Information Management System capabilities to be discussed and/or demonstrated. The solution needed to support Cath lab, Echo and vascular image management (adult and pediatric) Cardiac computerized tomography, electrophysiology, Stress Lab, and Holter monitoring devices, echocardiography management system, hemodynamic monitoring system Cath/Echo/Vascular reporting (adult and pediatric) and advanced visualization capabilities.

“The demonstrations we attend are part of our market research effort. The information we obtain helps us to finalize the requirements necessary to generate requests for offer submissions,” said Lorriane Joseph, NMLC’s PACS Project Manager Imaging Informatics. “This is in an effort to streamline workflow. Sites would typically manage their own procurement, but without a program management office. Now that NMLC supports this effort, we are better able to support the needs of Military Treatment Facility patients’ cardio needs.”

As it expands its portfolio of support logistics applications, Naval Medical Logistics Command continues to prove itself as the Department of Defense premier medical logistics support activity providing cardiovascular systems and digital imaging program management.

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